

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,101,993 B1
APPLICATION NO. : 07/967267
DATED : September 5, 2006
INVENTOR(S) : Phillip Dan Cook

Page 1 of 4

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title Page

1) Title Page:

Item [63], Related U.S. Application Data, please delete

“Continuation-in-part of application No. 07/918,362, filed on Jul. 23, 1992, now Pat. No. 5,506,351, which is a continuation-in-part of application No. 07/463,358, filed on Jan. 11, 1990, now abandoned, which is a continuation-in-part of application No. 07/566,977, filed on Aug. 13, 1990, now abandoned”

and insert therefore

--Continuation-in-part of application No. 07/918,362, filed on Jul. 23, 1992, now Pat. No. 5,506,351, and application No. PCT/US91/00243, filed on Jan. 11, 1991, which is a continuation-in-part of application No. 07/566,977, filed on Aug. 13, 1990, now abandoned, and application No. 07/463,358, filed on Jan. 11, 1990, now abandoned--;

Title Page

2) Page 2, OTHER PUBLICATION, “Robins” reference, please delete “2-aminoaldenosine” and insert therefore --2-aminoadenosine--;

3) Column 1, line 8, please insert --and Ser. No. US91/00243 filed on Jan, 11, 1991-- between “5,506,351” and “which”;

4) Column 2, line 19, please delete “2-O-alkylated” and insert therefore --2'-O-alkylated--;

5) Column 5, line 22, please delete “.”;

6) Column 9, line 5, please delete “NH₂” and insert therefore --NH₂--;

7) Column 9, line 5, please delete “(2NH₂” and insert therefore --(2NH₂--;

8) Column 9, line 8, please delete “N,N-diisopropylaminochlorophosphine” and insert therefore --N,N-diisopropyl aminochlorophosphine--;

9) Column 11, line 1, please delete “similarly” and insert therefore --Similarly--;

10) Column 13, line 44, please delete “C₁₃H₂₀N₆O₄·½H₂O: ” and insert therefore --C₁₃H₂₀N₆O₄·½H₂O:--;

11) Column 13, line 47, please delete “B”;

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Page 2 of 4

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- 12) Column 14, line 6, please delete "O-CH₂)" and insert therefore --O-CH₂)--;
- 13) Column 14, line 34, please delete "C₁₇H₂₅N₅O₆·½H₂O: " and insert therefore --C₁₇H₂₅N₅O₆·½H₂O:--;
- 14) Column 14, line 48, please delete "CH₂Cl₂/2xdil" and insert therefore --CH₂Cl₂/2x dil--;
- 15) Column 14, line 57, please delete "C₃₈H₄₂N₅O₈·H₂O: " and insert therefore --C₃₈H₄₂N₅O₈·H₂O:--;
- 16) Column 16, line 26, please delete "C₄₀H₄₇N₅O₈·½H₂O: " and insert therefore --C₄₀H₄₇N₅O₈·½H₂O:--;
- 17) Column 17, line 12, please delete "3'-OH5'-OH" and insert therefore --3'-OH 5'-OH--;
- 18) Column 17, line 30, please delete "C2" and insert therefore --C₂--;
- 19) Column 18, line 9, please delete "¹ H" and insert therefore --¹H--;
- 20) Column 18, line 20, please delete "D-ribo-furanosyl" and insert therefore --D-ribofuranosyl--;
- 21) Column 19, line 57, please delete "3'-OH)" and insert therefore --3'-OH)--;
- 22) Column 19, line 59, please delete "C₂₁H₂₂N₆O₇·½H₂O: " and insert therefore --C₂₁H₂₂N₆O₇·½H₂O:--;
- 23) Column 20, line 9, please delete "C₂₅H₂₈N₆O₈·½H₂O: " and insert therefore --C₂₅H₂₈N₆O₈·½H₂O:--;
- 24) Column 20, line 15, please delete "phthalimido)propylguanosine" and insert therefore --phthalimido)propylguanosine--;
- 25) Column 20, line 29, please delete "C₄₆H₄₆N₆O₁₀·H₂O:" and insert therefore --C₄₆H₄₆N₆O₁₀·H₂O:--;
- 26) Column 20, line 45, please delete "N2-Dimethylaminomethylidene-5=-" and insert therefore --N2-Dimethylaminomethylidene-5'- --;

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Page 3 of 4

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- 27) Column 20, line 53, please delete "1xwith" and insert therefore --1x with--;
- 28) Column 20, line 65, please delete " $C_{45}H_{45}N_7O_9 \cdot \frac{1}{2}H_2O$:" and insert therefore -- $C_{45}H_{45}N_7O_9 \cdot \frac{1}{2}H_2O$ --;
- 29) Column 21, line 60, please delete " $C_{23}H_{26}N_6O_7 \cdot \frac{1}{2}H_2O$:" and insert therefore -- $C_{23}H_{26}N_6O_7 \cdot \frac{1}{2}H_2O$ --;
- 30) Column 22, line 3, please delete "2xwith" and insert therefore --2x with--;
- 31) Column 22, line 11, please delete " $C_{27}H_{32}N_6O_8 \cdot \frac{1}{2}H_2O$:" and insert therefore -- $C_{27}H_{32}N_6O_8 \cdot \frac{1}{2}H_2O$ --;
- 32) Column 22, line 31, please delete " $C_{48}H_5ON_6O_{10} \cdot \frac{1}{2}H_2O$:" and insert therefore -- $C_{48}H_{50}N_6O_{10} \cdot \frac{1}{2}H_2O$ --;
- 33) Column 22, line 39, please delete "2,6-diamino-9-(\square -D-ribo-furanosyl)" and insert therefore --2,6-diamino-9-(\square -D-ribofuranosyl)--;
- 34) Column 22, line 48, please delete " $C_{22}H_{40}N_6O_5Si_2 \cdot \frac{1}{2}H_2O$:" and insert therefore -- $C_{22}H_{40}N_6O_5Si_2 \cdot \frac{1}{2}H_2O$ --;
- 35) Column 23, line 16, please delete " $C_{11}H_{16}N_6O_4 \cdot \frac{1}{2}H_2O$:" and insert therefore -- $C_{11}H_{16}N_6O_4 \cdot \frac{1}{2}H_2O$ --;
- 36) Column 23, line 34, please delete " $C_{11}H_{15}N_5O_5 \cdot \frac{1}{2}H_2O$:" and insert therefore -- $C_{11}N_{15}N_5O_5 \cdot \frac{1}{2}H_2O$ --;
- 37) Column 23, line 50, please delete " $CH(CH_3)_2$ " and insert therefore -- $CH(CH_3)_2$ --;
- 38) Column 24, line 6, please delete "N2-Isobutyryl-5'-dimethoxytrityl-2'-O-methyl-guanosine" and insert therefore --N2-Isobutyryl-5'-dimethoxytrityl-2'-O-methylguanosine--;
- 39) Column 24, line 16, please delete "D-ribo-furanosyl)" and insert therefore --D-ribofuranosyl)--;
- 40) Column 25, line 24, please delete "3'-OH5'-OH)" and insert therefore --3'-OH 5'-OH--;
- 41) Column 25, line 39, please delete " $CH(CH_3)_2$ " and insert therefore -- $CH(CH_3)_2$ --;

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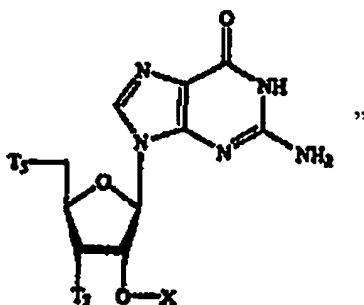
Page 4 of 4

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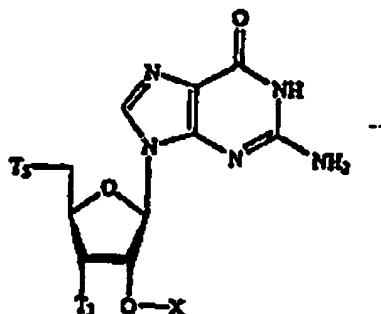
42) Column 25, line 62, please delete "2, 6-diamino-9-[3-O-" and insert therefore --2,6-diamino-9-[3-O- --;

43) Column 29, Claim 10, please insert --1-- between "claim" and "wherein";

44) Column 29, lines 17-27, please delete "



45) Column 29, claim 14, please insert --



between "structure:" and "wherein".

Signed and Sealed this

Nineteenth Day of December, 2006

JON W. DUDAS
Director of the United States Patent and Trademark Office